AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the Application.

Listing of Claims:

- 1-12. (cancelled).
- 13. (previously presented) A compound according to Formula III,

$$R^{5a} \stackrel{N}{\underset{H}{\bigvee}} X \stackrel{X}{\underset{Q}{\bigvee}} X \stackrel{H}{\underset{Q}{\bigvee}} R^{1a}$$

Ш

or a pharmaceutically acceptable salt thereof, wherein:

- R^{1a} is selected from halogen, lower perfluoroalkyl, -NO₂, and optionally substituted C₁₋₄alkyl; and R^{1b} is selected from halogen, -N(R^5) R^5 , -SR 5 , perfluoroalkyl, and optionally substituted lower alkyl;
- R^3 is independently selected from -H, halogen, trihalomethyl, -CN, -NO₂, -OR⁵, -N(R⁵)OR⁵, -ON(R⁵)R⁵, -N(R⁵)N(R⁵)R⁵, -N(R⁵)R⁵, -S(O)₀₋₂R⁵, -SO₂N(R⁵)R⁵, -CO₂R⁵, -C(O)N(R⁵)R⁵, -N(R⁵)SO₂R⁵, -N(R⁵)C(O)R⁵, -N(R⁵)CO₂R⁵, -C(O)R⁵, -C(=NR⁷)N(R⁵)R⁵, -C(=NR⁷)R⁵, -C(=NR⁷)OR⁵, -N(R⁵)C(=NR⁷)N(R⁵)R⁵, optionally substituted lower alkyl, optionally substituted aryl, optionally substituted heterocyclyl, optionally substituted heterocyclylalkyl, and optionally substituted arylalkyl;

R^{5a} is H;

each R⁵ is independently selected from -H, optionally substituted lower alkyl, optionally substituted aryl, optionally substituted lower arylalkyl, optionally substituted heterocyclyl, and optionally substituted lower heterocyclylalkyl; or

- two of R⁵, together with the atom or respective atoms to which they are attached, can combine to form an optionally substituted three- to seven-membered heterocyclic;
- each R^6 is independently selected from -H, halogen, trihalomethyl, -CN, -NO₂, -NH₂, -OR⁵, -N(R⁵)R⁵, -S(O)₀₋₂R⁵, -SO₂N(R⁵)R⁵, -CO₂R⁵, -C(O)N(R⁵)R⁵, -N(R⁵)SO₂R⁵, -N(R⁵)C(O)R⁵, -N(R⁵)CO₂R⁵, -C(O)R⁵, optionally substituted lower alkyl, optionally substituted aryl, optionally substituted heterocyclyl, optionally substituted heterocyclylalkyl, and optionally substituted arylalkyl; or
- two of R⁶, together with the atom or atoms to which they are attached, can combine to form one of an optionally substituted three to seven-membered alicylic, and an optionally substituted three to seven-membered heteroalicylic;
- each R^7 is independently selected from -H, -CN, -NO₂, -N(R^5) R^5 , -OR⁵, -S(O)₀₋₂ R^5 , -SO₂N(R^5) R^5 , -CO₂ R^5 , optionally substituted lower alkyl, optionally substituted lower alkynyl; or
- R⁵ and R⁷, together with the atom or atoms to which they are attached, can combine to form a five- to seven-membered optionally substituted heterocyclyl;
- each of X and Y is independently selected from -C(=O)-, $-C(R^6)R^6$ -, -O-, $-N(R^5)$ -, $-C(=NR^7)$ -, and $-S(O)_{0-2}$ -; provided when X is -O- or $-N(R^5)$ -, then Y cannot contain phenyl, napthyl, cyclohexyl, dihydronapthyl tetrahydronapthyl, or a five- to six-membered heteroaryl, each optionally substituted; and

Q is either =N- or =C(H)-.

- 14. (previously presented) The compound according to claim 13, wherein R^{1a} is selected from -NO₂, halogen, perfluoroalkyl, haloalkyl, and optionally substituted C_{1-2} alkyl.
- 15. (original) The compound according to claim 14, wherein R^3 is selected from optionally substituted -O-C₁₋₄alkyl, -O-C₁₋₄perfluoroalkyl, optionally substituted -N(H)C₁₋₄alkyl, optionally substituted -N(C₁₋₄alkyl)C₁₋₄alkyl, optionally substituted -S(O)₀₋₂-C₁₋₄alkyl, and optionally substituted -S(O)₀₋₂-C₁₋₄perfluoroalkyl.
- 16. (original) The compound according to claim 15, wherein Y is either -N(H)- or $-C(R^6)R^6$ -.

- 17. (original) The compound according to claim 16, wherein X is selected from -O-, -N(R⁵)-and -S-.
- 18. (original) The compound according to claim 17, wherein Y is -C(R⁶)R⁶-; wherein each R⁶ is independently selected from -H, halogen, trihalomethyl, -NH₂, optionally substituted -O-C₁₋₄alkyl, optionally substituted -N(H)C₁₋₄alkyl, optionally substituted -S-C₁₋₄alkyl, optionally substituted lower alkyl, optionally substituted heterocyclyl, and optionally substituted heterocyclylalkyl.
- 19. (original) The compound according to claim 18, wherein Y is $-C(H)R^6$ -; wherein R^6 is independently selected from -H, halogen, trihalomethyl, -NH₂, optionally substituted -O-C₁₋₄alkyl, optionally substituted -N(H)C₁₋₄alkyl, optionally substituted -S-C₁₋₄alkyl, optionally substituted lower alkyl, optionally substituted heterocyclyl, and optionally substituted heterocyclylalkyl.
- 20. (original) The compound according to claim 19, wherein Q is =C(H)-.
- 21-28. (cancelled)
- 29. (previously presented) The compound according to claim 13, wherein R^{1a} is selected from halo, lower perfluoroalkyl, -NO₂, and optionally substituted C_{1-4} alkyl.
- 30-33. (cancelled)
- 34. (currently amended) A compound selected from Table 3.

Table 3

Entry	Name	Structure
5	N ² -[2-amino-6- (methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]glycinamide	H_2N N N N N N N N N N
7	2-{[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]thio}-N- [3-(methyloxy)phenyl]acetamide	H_2N N N N N N N N N N

Table 3

Entry	Name	Structure
9	2-{[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]thio}-N- (4-chlorophenyl)acetamide	H_2N N N N N N N N N N
11	2-{[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]thio}-N- (3-chlorophenyl)acetamide	$\begin{array}{c} C \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ $
14	2-{[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]oxy}-N- [3-(trifluoromethyl)phenyl]acetamide	S H ₂ N F F
16	2-{[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]thio}-N- methyl-N-[3- (trifluoromethyl)phenyl]acetamide	H_2N N S N CF_3
20	N ² -[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]glycinamide	H_2N N N N N N N N N N
30	2-amino-4-({2-[2,5-bis(methyloxy)phenyl]-2-oxoethyl}thio)-6-(methylthio)pyrimidine-5-carbonitrile	$\begin{array}{c} \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\$

Table 3

Entry	Name	Structure
31	2-{[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]thio}-N- [4-fluoro-3- (trifluoromethyl)phenyl]acetamide	H_2N N S CN H CF_3 F
34	2-{[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]thio}-N- [4-chloro-3- (trifluoromethyl)phenyl]acetamide	H_2N N S CN H CF_3 CI
35	2-amino-4-(methylthio)-6-({2-oxo-1-[3-(trifluoromethyl)phenyl]pyrrolidin-3-yl}thio)pyrimidine-5-carbonitrile	H_2N N S CN CF_3
36	2-{[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]thio}-N- [6-(trifluoromethyl)pyridin-2- yl]acetamide	H_2N N S CN H N CF_3
37	2-{[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]thio}-N- [4-(trifluoromethyl)pyridin-2- yl]acetamide	H_2N C
41	2-{[2-(acetylamino)-5-cyano-6- (methylthio)pyrimidin-4-yl]thio}-N- [3-(trifluoromethyl)phenyl]acetamide	S H H Z F F F

Table 3

Entry	Name Table	Structure
42	(2S)-2-{[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]oxy}-N- [3- (trifluoromethyl)phenyl]propanamide	$-s \longrightarrow N \qquad F \longrightarrow F \qquad F$
45	2-{[2-amino-5-formyl-6- (methylamino)pyrimidin-4-yl]thio}- N-[3- (trifluoromethyl)phenyl]acetamide	NH ₂ N N N N N N N N N N N N N N N N N N N
46	2-{[2-amino-5-formyl-6- (methylthio)pyrimidin-4-yl]oxy}-N- [3-(trifluoromethyl)phenyl]acetamide	NH ₂ N N N F F
54	2-{[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]thio}-N- [2-(methyloxy)-5- (trifluoromethyl)phenyl]acetamide	H_2N N S N N S N N N S N
55	2-{[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]thio}-N- [2-chloro-5- (trifluoromethyl)phenyl]acetamide	H ₂ N N S N H CI
58	N ² -[2-amino-5-[(E)-hydrazonomethyl]-6-(methylthio)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]glycinamide	NH2 N N N F F N N N N N N N N N N N N N N N

Table 3

Entry	Name	Structure
59	N ² -[2-amino-5-[(E)- (hydroxyimino)methyl]-6- (methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]glycinamide	NH ₂ Z F F F F F F F F F F F F F F F F F F
60	N ² -[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L- alaninamide	$\begin{array}{c c} NH_2 \\ N & N $
61	2-{[2-amino-5-cyano-6- (methylamino)pyrimidin-4-yl]thio}- N-[3- (trifluoromethyl)phenyl]acetamide	H ₂ N N S O F F
62	2-{[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]thio}-N- [2-amino-5- (trifluoromethyl)phenyl]acetamide	CF_3 O N
63	2-amino-4-(methylthio)-6-({[6- (trifluoromethyl)-1H-benzimidazol-2- yl]methyl}thio)pyrimidine-5- carbonitrile	H_2N N N N N N N N N N
64	2-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]hydrazinecar boxamide	S HZ F F F F F S HZ N S

Table 3

Entry	Name	Structure
65	N ² -[5-cyano-2-(methylamino)-6- (methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]glycinamide	S Z Z F F F S Z T S T S T S T S T S T S T S T S T S
66	2-{[2-amino-5-cyano-6- (dimethylamino)pyrimidin-4-yl]thio}- N-[3- (trifluoromethyl)phenyl]acetamide	H_2N N N N N N N N N N
67	(S)-1-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]prolinamide	H ₂ N N N F F
68	(2R)-2-{[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]oxy}-N- [3- (trifluoromethyl)phenyl]propanamide	-s N
69	1-{[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]oxy}-N- [3- (trifluoromethyl)phenyl]cyclopropane carboxamide	-S N
70	(2S)-2-{[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]oxy}-3- methyl-N-[3- (trifluoromethyl)phenyl]butanamide	H_2N N N N N N N N N N

Table 3

Entry	Name	Structure
72	N ² -[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-2- methyl-N-[3- (trifluoromethyl)phenyl]glycinamide	N H ₂ N N O
73	1-{[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]amino}- N-[3- (trifluoromethyl)phenyl]cyclopropane carboxamide	-S N
74	N ² -[2-amino-5-cyano-6- (methylsulfinyl)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L- alaninamide	H ₂ N N H O F F
75	N ² -[2-amino-5-cyano-6- (methylsulfonyl)pyrimidin-4-yl]-N- [3-(trifluoromethyl)phenyl]-L- alaninamide	H ₂ N N H F F
76	N ² -(5-cyano-2-morpholin-4-ylpyrimidin-4-yl)-N-[3-(trifluoromethyl)phenyl]glycinamide	
78	N ² -[2-amino-5-cyano-6- (methyloxy)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L- alaninamide	H_2N N N N N N N N N N

Table 3

Entry	Name	Structure
79	N ² -[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-[2- (methyloxy)-5- (trifluoromethyl)phenyl]-L- alaninamide	H ₂ N N N CF ₃
80	N ² -[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-[2- chloro-5-(trifluoromethyl)phenyl]-L- alaninamide	H_2N N N N N N N N N N
83	N ² -[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-D- alaninamide	H_2N N N N N N N N N N
84	2-[(2-amino-5-cyano-6-morpholin-4-ylpyrimidin-4-yl)thio]-N-[3-(trifluoromethyl)phenyl]acetamide	
85	(R)-1-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]prolinamide	H ₂ N N N H F F
86	N ² -[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L- ornithinamide	S CN H ₂ CF ₃

Table 3

Entry	Name	Structure
87	N ² -[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-2-[2- (dimethylamino)ethyl]-N-[3- (trifluoromethyl)phenyl]glycinamide	H_2N CF_3 CF_3
88	N ² -[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L- alaninamide	H_2N N N N N N N N N N
89	N ² -(2,6-diamino-5-cyanopyrimidin-4-yl)-N-[3-(trifluoromethyl)phenyl]-L-alaninamide	H_2N N N N N N N N N N
90	N ² -(2-amino-5-cyanopyrimidin-4-yl)- N-[3-(trifluoromethyl)phenyl]-L- alaninamide	H_2N N N N N N N N N N
91	N ² -[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-2- methyl-N-[3- (trifluoromethyl)phenyl]-L- alaninamide	H_2N N N N N N N N N N
93	2-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-1,2- dimethyl-N-[3- (trifluoromethyl)phenyl]hydrazinecar boxamide	H_2N N N N N N N N N N

Table 3

Entry	Name	Structure
94	N ² -[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-[3- amino-5-(trifluoromethyl)phenyl]-L- alaninamide	H_2N N N N N N N N N N
95	ethyl [1-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-2-({[3- (trifluoromethyl)phenyl]amino}carbo nyl)hydrazino]acetate	$\begin{array}{c c} & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\$
96	2-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-2- methyl-N-[3- (trifluoromethyl)phenyl]hydrazinecar boxamide	H_2N N N N N N N N N N
100	N ² -[5-cyano-2-(methylthio)pyrimidin- 4-yl]-N-[3- (trifluoromethyl)phenyl]glycinamide	S N N CF3
101	N ² -[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-2- (tetrahydro-2H-pyran-4-ylmethyl)-N- [3- (trifluoromethyl)phenyl]glycinamide	H_2N N N N N N N N N N
102	N ² -(2-amino-5-cyano-6-{[2-(dimethylamino)ethyl]oxy}pyrimidin-4-yl)-N-[3-(trifluoromethyl)phenyl]-L-alaninamide	H_2N N N N N N N N N N

Table 3

Entry	Name	Structure
103	N ² -[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-6- {[(1,1-dimethylethyl)oxy]carbonyl}- N-[3-(trifluoromethyl)phenyl]-L- lysinamide	S CN CF3 CF3 CF3 CF3 CF3 CF3 NH CN NH NH
104	2-amino-4-(methylthio)-6- (methyl{(1S)-1-[6-(trifluoromethyl)- 1H-benzimidazol-2- yl]ethyl}amino)pyrimidine-5- carbonitrile	NC NH_2 NC NH_2 NC N
105	N ² -[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-2-[2- (tetrahydro-2H-pyran-4-yl)ethyl]-N- [3- (trifluoromethyl)phenyl]glycinamide	$ \begin{array}{c} S \\ Z \\ Z$
106	N ² -[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-[3-{[2- (diethylamino)ethyl]amino}-5- (trifluoromethyl)phenyl]-L- alaninamide	$\begin{array}{c} \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\$
107	2-amino-4-(methylthio)-6-({(1S)-1- [6-(trifluoromethyl)-1H- benzimidazol-2- yl]ethyl}amino)pyrimidine-5- carbonitrile	$-s \longrightarrow N \longrightarrow F \longrightarrow F$ H_2N

Table 3

Entry	Name	Structure
108	2-{2-amino-5-cyano-6-[1-(3-trifluoromethyl-phenylcarbamoyl)-1S-ethylamino]-pyrimidin-4-ylamino}-N-(3-trifluoromethyl-phenyl)-2S-propionamide	H_2N H_2N H_2N H_2N H_3 CF_3 CF_3
109	N ² -[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-2- methyl-N-(3- methylphenyl)glycinamide	NH ₂ S NH ₂ N N N N N N N N N N N N N N N N N N N
110	N ² -[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-2- methyl-N-[3-(1- methylethyl)phenyl]glycinamide	NH ₂ N N N N N N N N N N N N N N N N N N N
111	N ² -[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-5- [imino(nitroamino)methyl]-N-[3- (trifluoromethyl)phenyl]-L- ornithinamide	$\begin{array}{c c} & & & \\ & & &$
112	methyl 3-({N-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-L- alanyl}amino)-5- (trifluoromethyl)benzoate	$S \xrightarrow{NH_2} H \xrightarrow{CF_3} CF_3$
113	N ² -[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-(3- nitrophenyl)-L-alaninamide	S NH ₂ N N N N N N NO ₂ NO ₂

Table 3

Entry	Name	Structure
114	N ² -[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L- lysinamide	S NH ₂ NH ₂ CF ₃
115	N ² -[2-amino-5-cyano-6- (propyloxy)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L- alaninamide	NH ₂ NH ₂ NH ₂ CF ₃
117	N ² -[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L- argininamide	NH ₂ NH ₂ NH ₂ NH CF ₃
118	N ² -[2-amino-5-cyano-6- (methylsulfinyl)pyrimidin-4-yl]-N-2- methyl-N-[3- (trifluoromethyl)phenyl]-L- alaninamide	NH ₂ N N N N CF ₃ CF ₃
119	N ² -[2-amino-5-cyano-6- (methyloxy)pyrimidin-4-yl]-N-2- methyl-N-[3- (trifluoromethyl)phenyl]-L- alaninamide	NH ₂ N N N CF ₃ CF ₃
120	N ² -[2-amino-5-cyano-6- (propyloxy)pyrimidin-4-yl]-N-2- methyl-N-[3- (trifluoromethyl)phenyl]-L- alaninamide	NH ₂ N N N N N CF ₃

Table 3

Entry	Name	Structure
121	N ² -[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]-N-2- methyl-N-[3- (trifluoromethyl)phenyl]-L- alaninamide	NH ₂ N N N N N N N N N N N N N N N N N N N
122	N ² -{2-amino-5-cyano-6-[(1-methylethyl)oxy]pyrimidin-4-yl}-N-[3-(trifluoromethyl)phenyl]-L-alaninamide	NH ₂ N N N N N N N N N N N N N N N N N N N
123	N-5-acetyl-N-2-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L- ornithinamide	$ \begin{array}{c} S \\ Z \\ Z \\ Z \\ Z \\ S \\ C \\ C$
124	N ² -[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-(3- aminophenyl)-L-alaninamide	S NH ₂
125	3-({N-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-L- alanyl}amino)-N-[2- (dimethylamino)ethyl]-5- (trifluoromethyl)benzamide	S NH_2 $NH_$
126	2-(methyloxy)ethyl ((4S)-4-{[2- amino-5-cyano-6- (methylthio)pyrimidin-4-yl]amino}-5- oxo-5-{[3- (trifluoromethyl)phenyl]amino}pentyl)carbamate	NH ₂ N H N CF ₃ CF ₃

Table 3

Entry	Name	Structure
127	2-[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]hydrazinecar boxamide	NH ₂ N H H H CF ₃ CF ₃
128	1,1-dimethylethyl ((4S)-4-{[2-amino-5-cyano-6-(ethyloxy)pyrimidin-4-yl]amino}-5-oxo-5-{[3-(trifluoromethyl)phenyl]amino}pentyl)carbamate	NH ₂ NH ₂ NH ₂ NH ₂ O t-Bu CF ₃
130	3-({N-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N- methyl-L-alanyl}amino)-N-[2- (dimethylamino)ethyl]-5- (trifluoromethyl)benzamide	Chiral CH ₃ N CH ₃ H ₂ N CH ₃ CH

Table 3

Entry	Name	Structure
131	3-({N-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N- methyl-L-alanyl}amino)-N-[3-(4- methylpiperazin-1-yl)propyl]-5- (trifluoromethyl)benzamide	Chiral CH ₃ N CH ₃ H ₂ N CH ₃ CH ₃ N CH ₃ CH ₃ N CH ₃ N CH ₃ N CF ₃ CH ₃ N CF ₃ CH ₃ N CF ₃ N CF ₃ CH ₃ N CF ₃ CF ₃ N CF ₃ CF ₃ N CF ₃ N CF ₃ CF ₃ N CF ₃ N CF ₃ CF ₃ N CF ₃ C
132	N ² -[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N~2~- methyl-N-{3- [(trifluoromethyl)oxy]phenyl}-L- alaninamide	Chiral CH ₃ H ₂ N N CH ₃

Table 3

Entry	Name	Structure
133	N ² -[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-(3- bromophenyl)-N~2~-methyl-L- alaninamide	Chiral CH ₃ CN CH ₃ H ₂ N N CH ₃ O Br CH ₃ O Br CH ₃ O Br
134	N ² -[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-{2- {[2-(dimethylamino)ethyl]oxy}-5- [(trifluoromethyl)oxy]phenyl}-N~2~- methyl-L-alaninamide	Chiral CH ₃ N CH ₃ N CH ₃ N CH ₃ CH ₃ N CH ₃ CH ₃ N CH ₃ CH ₃ CH ₃ N CH ₃

Table 3

Entry	Name	Structure
135	3-({N-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N- methyl-L-alanyl}amino)-N-(2- morpholin-4-ylethyl)-5- (trifluoromethyl)benzamide	Chiral CH ₃ CH ₃ H ₂ N CH ₃ HN CF ₃ CH ₃ HN CF ₃ CH ₃ HN CF ₃ CH ₃ N CF ₃
136	N ² -[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]-N~2~- methyl-N-[3- (trifluoromethyl)phenyl]-L- lysinamide	Chiral CH ₃ NH ₂ FF F CH ₃ NH ₂ N

Table 3

Entry	Name	Structure
137	N ² -[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-[3-{[2- (dimethylamino)ethyl]oxy}-5- (trifluoromethyl)phenyl]-L- alaninamide	Chiral CH ₃ N CH ₃ N CH ₃
138	(2S)-2-{[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]amino}-3- oxo-3-{[3- (trifluoromethyl)phenyl]amino}propyl acetate	Chiral CH ₃ CN H ₂ N N N CF ₃ CN H ₃ CS CN H ₃ CF ₃
139	N ² -[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N~1~-[3- (trifluoromethyl)phenyl]-L- glutamamide	$\begin{array}{c c} & & & & & \\ & CH_3 & & & & \\ & & & & \\ & & & & \\ & & & & $

Table 3

Entry	Name	Structure
140	2-[2-amino-5-cyano-6- (methyloxy)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]hydrazinecar boxamide	Chiral CH ₃ N H ₂ N N N N H N N N N N N N N N
141	3-({N-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-L- alanyl}amino)-N-hydroxy-5- (trifluoromethyl)benzamide	Chiral CH ₃ N CH ₃ H O OH OH OH OH OH OH OH OH
142	N ² -[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-3- (dimethylamino)-N-[3- (trifluoromethyl)phenyl]-L- alaninamide	Chiral CH ₃ CH ₃ CH ₃ FF H ₂ N N H O H ₃ C S CH ₃ CH ₃ F F

Table 3

Entur	Name Table	Structure
Entry	Name	Chiral
143	N ² -[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-5- morpholin-4-yl-N-[3- (trifluoromethyl)phenyl]-L- norvalinamide	H ₂ N N H F F F F F F F F F F F F F F F F F
144	N ² -[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N~5~-[2- (methyloxy)ethyl]-N-[3- (trifluoromethyl)phenyl]-L- ornithinamide	Chiral CH ₃ CH ₃ NH H ₂ N CF ₃ CH ₃
145	3-({N-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-L- alanyl}amino)-5- (trifluoromethyl)benzoic acid	Chiral CH ₃ N CH ₃ H ₂ N CH ₃ H CH ₃ H CF ₃ H O O H O O

Table 3

Entry	Name	Structure
146	methyl N~2~-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L-alpha- glutaminate	CH ₃ CH ₃ CF ₃
147	N ⁵ -(aminocarbonyl)-N~2~-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]-L-ornithinamide	SMe NH F F F F F F F F F F F F F F F F F F
148	N ² -[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L- ornithinamide	CH ₃ ONH ₂ H ₂ N N H O F F
149	N ² -[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L-alpha- glutamine	$\begin{array}{c c} & & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\$

Table 3

Entry	Name	Structure
150	N ² -[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L- serinamide	CN OH H CF ₃
151	N ² -[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]-O- (phenylmethyl)-N-[3- (trifluoromethyl)phenyl]-L- serinamide	Chiral Chiral
152	N ² -[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L- argininamide	CH ₃ H ₂ N NH Chiral NH NH CF ₃

Table 3

Entry	Name	Structure
153	N ² -[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N~2~- methyl- N ⁶ - {[(phenylmethyl)oxy]carbonyl}-N-[3- (trifluoromethyl)phenyl]-L- lysinamide	Chiral Chiral
154	N-α-[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L- tyrosinamide	H ₃ C O CN H Chiral

Table 3

Entry	Name	Structure
155	N ⁵ -[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L- ornithinamide	Chiral F F F H N H N H N H N H N H N H N H N H
156	N ² -[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]- N~6~,N~6~-dimethyl-N-[3- (trifluoromethyl)phenyl]-L- lysinamide	Chiral CH ₃ C

Table 3

Entry	Name	Structure
157	N ² -[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]-N-[3-[(4- methylpiperazin-1-yl)carbonyl]-5- (trifluoromethyl)phenyl]-L- alaninamide	Chiral CH ₃ N CH ₃ H ₂ N N CH ₃ CH ₃ N CH ₃
158	3-({N-[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]-L- alanyl}amino)-N-(3-pyrrolidin-1- ylpropyl)-5- (trifluoromethyl)benzamide	CH ₃ Chiral N CH ₃ H CF ₃ HN O

Table 3

Entry	Name	Structure
159	3-({N-[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]-L- alanyl}amino)-N-(2-morpholin-4- ylethyl)-5-(trifluoromethyl)benzamide	CH ₃ Chiral N CH ₃ H CF ₃ H N CF ₃ H N O
160	3-({N-[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]-L- alanyl}amino)-N-[2- (dimethylamino)ethyl]-5- (trifluoromethyl)benzamide	Chiral CH ₃ N CH ₃ H ₂ N CH ₃

Table 3

Entry	Name	Structure
161	3-({N-[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]-L- alanyl}amino)-N-[3-(4- methylpiperazin-1-yl)propyl]-5- (trifluoromethyl)benzamide	CH ₃ Chiral CH ₃ H ₂ N CH ₃ H CF ₃ HN O HN O
162	N ² -[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]-N~2~- methyl- N ⁶ - {[(phenylmethyl)oxy]carbonyl}-N-[3- (trifluoromethyl)phenyl]-L- lysinamide	CH ₃ HN O F F F CH ₃ O Chiral
163	1,1-dimethylethyl ((4S)-4-{[2-amino-5-cyano-6-(ethyloxy)pyrimidin-4-yl]amino}-5-oxo-5-{[3-(trifluoromethyl)phenyl]amino}pentyl)carbamate	H ₃ C CH ₃ Chiral CH ₃ O O O NH H ₂ N N N H F F

Table 3

Entry	Name	Structure
164	(2S)-2-{[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]amino}-3- oxo-3-{[3- (trifluoromethyl)phenyl]amino}propyl acetate	CH ₃ Chiral Chiral Chiral Chiral
165	phenylmethyl N~2~-[2-amino-5-cyano-6-(ethyloxy)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]-L-alphaglutaminate	CH ₃ O O CN H CF ₃
166	N ² , N ⁵ -diacetyl-N~2~-[2- (acetylamino)-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L- ornithinamide	Chiral O CH ₃ NH N CF ₃ CH ₃ NH CF ₃ CH ₃ CH ₃ CH ₃ CH ₃ CH ₃ CF ₃

Table 3

Entry	Name	Structure
167	2-(methyloxy)ethyl ((4S)-4-{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]amino}-5-oxo-5-{[3-(trifluoromethyl)phenyl]amino}pentyl)carbamate	Chiral O O O CH ₃ NH CF ₃ NH CF ₃ NH CF ₃ CH ₃ NH CF ₃
168	N ² -[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]-5- morpholin-4-yl-N-[3- (trifluoromethyl)phenyl]-L- norvalinamide	CH ₃ O N H ₂ N N H O F F F
169	N-((4S)-4-{[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]amino}-5- oxo-5-{[3- (trifluoromethyl)phenyl]amino}pentyl)-N,N-dimethylmethanaminium	CH ₃ CH ₃ Chiral CH ₃ CH ₃ CH ₃ H ₂ N N H O CH ₃

Table 3

Entry	Name	Structure
170	Methyl N ² -[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L-alpha- glutaminate	CH ₃ Chiral OH ₃ C·O N H ₂ N N N CF ₃ Chiral
171	N ² -[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]- N~6~,N~6~-dimethyl-N-[3- (trifluoromethyl)phenyl]-L- lysinamide	Chiral CH ₃ CH ₃ H ₂ N H ₃ C CH ₃ H ₃ C CH ₃ H ₂ CH H ₂ N H ₂ N H ₃ C CH H ₃ C CH F
172	N ² -[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]-N~2~- methyl-N-{3- [(trifluoromethyl)oxy]phenyl}-L- alaninamide	CH ₃ Chiral Chiral CH ₃
173	N ² -[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L-alpha- glutamine	CH ₃ HO O Chiral

Table 3

Entry	Name	Structure
174	N~2~-[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]-N-(3- bromophenyl)-N~2~-methyl-L- alaninamide	CH ₃ CN ₂ H ₃ H Br CH ₃ O CN ₄ H ₃ H CH ₃ O
175	N ² -[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]- N ¹ -[3- (trifluoromethyl)phenyl]-L- glutamamide	CH ₃ H ₂ N O CF ₃
176	N ² -[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]-3- (dimethylamino)-N-[3- (trifluoromethyl)phenyl]-L- alaninamide	CH ₃ Chiral Chiral CH ₃ CH ₃ F F F F
177	2-(2-amino-5-cyano-6- ethoxypyrimidin-4-ylamino)-5- hydrazinyl-5-oxo-N-(3- (trifluoromethyl)phenyl)pentanamide	CH ₃ NH ₂ Chiral
178	N ² -[2-amino-5-cyano-6- (methyloxy)pyrimidin-4-yl]-3- (dimethylamino)-N-[3- (trifluoromethyl)phenyl]-L- alaninamide	H ₃ C. O Chiral Chiral H ₂ N N F F H

Table 3

Entry	Name	Structure
179	N ² -[2-amino-5-cyano-6- (methyloxy)pyrimidin-4-yl]-N-[3-{[2- (dimethylamino)ethyl]oxy}-5- (trifluoromethyl)phenyl]-L- alaninamide	Chiral CH ₃ H ₂ N CH ₃
180	N ² -[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]-N-[3-{[2- (dimethylamino)ethyl]oxy}-5- (trifluoromethyl)phenyl]-L- alaninamide	Chiral Chiral Chiral Chiral Chiral
181	N ² -[2-amino-5-cyano-6- (methyloxy)pyrimidin-4-yl]-N-(3- bromophenyl)- N ² -methyl-L- alaninamide	$\begin{array}{c c} & & & & \\ & & & & \\ & & & & \\ & & & & $

Table 3

Entry	Table Name	Structure
Entry	Name	Chiral
182	phenylmethyl N ² -[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]-L-alpha-glutaminate	CH ₃ S O O CF ₃ H ₂ N N N CF ₃
		H ₃ C _S O O H CF ₃
183	N ² -[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-O- (phenylmethyl)-N-[3- (trifluoromethyl)phenyl]-L- serinamide	Chiral CH ₃ CN H ₂ N N CF ₃ H ₂ C CF ₃ CF ₃ CF ₃
184	N ² -[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]- N~5~,N~5~-bis[2-(methyloxy)ethyl]- N-[3-(trifluoromethyl)phenyl]-L- ornithinamide	Chiral CH ₃ CH ₃ CH ₃ CH ₃ CH ₃ CF ₃ CH ₃ CF ₃ CH ₃ CF ₃ CH ₃ CCH ₃ CCF ₃ CC

Table 3

Entry	Name	Structure
185	1,1-dimethylethyl ((4S)-4-{[2-amino-5-cyano-6-(methyloxy)pyrimidin-4-yl]amino}-5-oxo-5-{[3-(trifluoromethyl)phenyl]amino}pentyl)carbamate	Chiral CH_3 CH_3 CH_3 CF_3
186	N ⁵ -acetyl- N ² -[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L- ornithinamide	CH ₃ CF ₃ CF ₃
187	N ⁵ ~-acetyl- N ² -[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L- ornithinamide	Chiral O CH ₃ NH H ₂ N N H CF ₃ H CF ₃ CF ₃ H CF ₃
188	N ² -[2-amino-5-cyano-6- (methyloxy)pyrimidin-4-yl]- N ² - methyl-N-{3- [(trifluoromethyl)oxy]phenyl}-L- alaninamide	H ₂ N N CH ₃ H OCF ₃

Table 3

Entry	Name	Structure
189	methyl 3-({N-[2-amino-5-cyano-6- (methyloxy)pyrimidin-4-yl]-L- alanyl}amino)-5- (trifluoromethyl)benzoate	H ₂ N N N CH ₃ H CF ₃
190	3-({N-[2-amino-5-cyano-6- (methyloxy)pyrimidin-4-yl]-L- alanyl}amino)-N-[2- (dimethylamino)ethyl]-5- (trifluoromethyl)benzamide	Chiral CH ₃ N CH ₃
191	N ² -[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-3- morpholin-4-yl-N-[3- (trifluoromethyl)phenyl]-L- alaninamide	Chiral CH ₃ N H ₂ N N H N

Table 3

Entry	Name	Structure
192	N ² -[2-amino-5-cyano-6- (methyloxy)pyrimidin-4-yl]-3- morpholin-4-yl-N-[3- (trifluoromethyl)phenyl]-L- alaninamide	Chiral Chiral Chiral Chiral Chiral Chiral
193	N ² -[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]-3- morpholin-4-yl-N-[3- (trifluoromethyl)phenyl]-L- alaninamide	Chiral CH ₃ N N H ₂ N N N N N N F F
194	N ⁵ -(aminocarbonyl)- N ² -[2-amino-5-cyano-6-(ethyloxy)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]-L-ornithinamide	ONH ₂ Chiral ONH OH NH H ₂ N NH F F F
195	N~2~-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-D- lysinamide	SMe NH ₂ Chiral

Table 3

Table 5		
Entry	Name	Structure
196	N ² -[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-D- lysinamide	OEt N H F F F F F
197	N ² -[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]-O-methyl- N-[3-(trifluoromethyl)phenyl]-L- serinamide	CH ₃
198	N ² -[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N~5~- (methylsulfonyl)-N-[3- (trifluoromethyl)phenyl]-L- ornithinamide	CH ₃ Chiral O=\$=0 NH H ₂ N CF ₃ CF ₃

35. (previously presented) A pharmaceutical composition comprising the compound according to claim 13 and a pharmaceutically acceptable carrier.

36-43. (cancelled).